



CURRICULUM MAP
GEOMETRY

WEEK	STANDARDS/ BENCHMARKS/ OBJECTIVES	TOPIC (Lesson Make-up)	MATERIALS/ RESOURCES/ TECHNOLOGY	PROJECTS/ ACTIVITIES/ SUPPLEMENTS	ASSESSMENT
1	<u>Geometry and Spatial Sense</u> <ul style="list-style-type: none"> Formally define geometric figures 	Foundation of Geometry	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
2	<u>Geometry and Spatial Sense</u> <ul style="list-style-type: none"> Formally define geometric figures 	Geometric Concepts	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
3	<u>Geometry and Spatial Sense</u> <ul style="list-style-type: none"> Formally define geometric figures 	Geometric Measurement	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
	<u>Geometry and Spatial</u>	Points, Lines and	AGS	Self Study Guide	Teacher Resource



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4	<u>Sense</u> <ul style="list-style-type: none"> Formally define geometric figures 	Planes	Study Island A+LS Teacher Resource Library(TRL-CD Rom)	(TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Library OGT Review Rubric Portfolio Graphic Organizer
5	<u>Geometry and Spatial Sense</u> <ul style="list-style-type: none"> Formally define geometric figures 	Segments, Rays and Angles	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
6	<u>Geometry and Spatial Sense</u> <ul style="list-style-type: none"> Formally define geometric figures 	Angles	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
7	<u>Geometry and Spatial Sense</u> <ul style="list-style-type: none"> Formally define geometric figures 	Transversals	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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8	<u>Geometry and Spatial Sense</u> <ul style="list-style-type: none">Formally define geometric figures	Parallelism	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
REVIEW WEEKS ONE – EIGHT (1-8) FOR QUARTERLY ASSESSMENT					



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WEEK	STANDARDS/ BENCHMARKS/ OBJECTIVES	TOPICS (Lesson Make-up)	MATERIALS/ RESOURCES/ TECHNOLOGY	PROJECTS/ ACTIVITIES/ SUPPLEMENTS	ASSESSMENT
10	<p><u>Patterns, Function and Algebra</u></p> <ul style="list-style-type: none"> Use algebraic representations, such as tables, graphs, expressions, functions and inequalities, to model and solve problem situations. <p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> Use right triangle trigonometric relationships to determine lengths and angle measures Formally define geometric figures 	Triangles	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
	<u>Patterns, Function and</u>	Congruent Triangles	AGS	Self Study Guide	Teacher Resource



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11	<p><u>Algebra</u></p> <ul style="list-style-type: none">• Use algebraic representations, such as tables, graphs, expressions, functions and inequalities, to model and solve problem situations. <p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none">• Use right triangle trigonometric relationships to determine lengths and angle measures• Formally define geometric figures• Draw and construct representations of two- and three-dimensional geometric objects using a		Study Island A+LS Teacher Resource Library(TRL-CD Rom)	(TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Library OGT Review Rubric Portfolio Graphic Organizer
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	variety of tools, such as straightedge, compass and technology				
12	<p><u>Patterns, Function and Algebra</u></p> <ul style="list-style-type: none"> Use algebraic representations, such as tables, graphs, expressions, functions and inequalities, to model and solve problem situations. <p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> Use right triangle trigonometric relationships to determine lengths and angle measures Formally define geometric figures Draw and 	Triangles Inside and Out	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	<p>construct representations of two- and three-dimensional geometric objects using a variety of tools, such as straightedge, compass and technology</p>				
13	<p><u>Patterns, Function and Algebra</u></p> <ul style="list-style-type: none"> Use algebraic representations, such as tables, graphs, expressions, functions and inequalities, to model and solve problem situations. <p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> Use right triangle trigonometric relationships to 	Right Triangles I	<p>AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)</p>	<p>Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections</p>	<p>Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer</p>



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	<p>determine lengths and angle measures</p> <ul style="list-style-type: none"> • Formally define geometric figures • Draw and construct representations of two- and three-dimensional geometric objects using a variety of tools, such as straightedge, compass and technology 				
14	<p><u>Patterns, Function and Algebra</u></p> <ul style="list-style-type: none"> • Use algebraic representations, such as tables, graphs, expressions, functions and inequalities, to model and solve problem 	Right Triangles II	<p>AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)</p>	<p>Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections</p>	<p>Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer</p>



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	<p>situations.</p> <p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> • Use right triangle trigonometric relationships to determine lengths and angle measures • Formally define geometric figures • Draw and construct representations of two- and three-dimensional geometric objects using a variety of tools, such as straightedge, compass and technology 				
15	<p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> • Formally define geometric 	Quadrilaterals	AGS Study Island A+LS Teacher Resource	Self Study Guide (TRL-CD Rom) Workbook Application Activity	Teacher Resource Library OGT Review Rubric



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	<p>figures</p> <ul style="list-style-type: none"> • Draw and construct representations of two- and three-dimensional geometric objects using a variety of tools, such as straightedge, compass and technology 		Library(TRL-CD Rom)	Geometry on the Job Community Connections	Portfolio Graphic Organizer
16	<p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> • Formally define geometric figures • Draw and construct representations of two- and three-dimensional geometric objects using a variety of tools, such as straightedge, 	Parallelograms	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	compass and technology				
17	<p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> Formally define geometric figures Draw and construct representations of two- and three-dimensional geometric objects using a variety of tools, such as straightedge, compass and technology 	Special Parallelograms	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
MIDTERM EXAMINATION: REVIEW WEEKS ONE – SEVENTEEN (1 -17)					



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WEEK	STANDARDS/ BENCHMARKS/ OBJECTIVES	TOPICS (Lesson Make-up)	MATERIALS/ RESOURCES/ TECHNOLOGY	PROJECTS/ ACTIVITIES/ SUPPLEMENTS	ASSESSMENT
19	<p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> Formally define geometric figures Draw and construct representations of two- and three-dimensional geometric objects using a variety of tools, such as straightedge, compass and technology 	Trapezoids	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
20	<p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> Formally define geometric figures Draw and construct representations 	Areas of Polygons	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	of two- and three-dimensional geometric objects using a variety of tools, such as straightedge, compass and technology				
21	<u>Geometry and Spatial Sense</u> <ul style="list-style-type: none"> Formally define geometric figures 	Conditional Statements	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
22	<u>Patterns, Function and Algebra</u> <ul style="list-style-type: none"> Use algebraic representations, such as tables, graphs, expressions, functions and inequalities, to model and solve problem situations 	Similar Polygons	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	<p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> Formally define geometric figures <p><u>Measurement</u></p> <ul style="list-style-type: none"> Use proportional reasoning and apply indirect measurement techniques, including right triangle trigonometry and properties of similar triangles, to solve problems involving measurement and rates 				
23	<p><u>Patterns, Function and Algebra</u></p> <ul style="list-style-type: none"> Use algebraic representations, such as tables, graphs, expressions, functions and inequalities, to model and solve 	More about Polygons	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	<p>problem situations</p> <p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> Formally define geometric figures <p><u>Measurement</u></p> <ul style="list-style-type: none"> Use proportional reasoning and apply indirect measurement techniques, including right triangle trigonometry and properties of similar triangles, to solve problems involving measurement and rates 				
24	<p><u>Patterns, Function and Algebra</u></p> <ul style="list-style-type: none"> Use algebraic representations, such as tables, graphs, expressions, functions and 	Area Revisited	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	<p>inequalities, to model and solve problem situations</p> <p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> Formally define geometric figures <p><u>Measurement</u></p> <ul style="list-style-type: none"> Use proportional reasoning and apply indirect measurement techniques, including right triangle trigonometry and properties of similar triangles, to solve problems involving measurement and rates 				
25	<p><u>Measurement</u></p> <ul style="list-style-type: none"> Apply indirect measurement techniques, tools and formulas, as appropriate, to 	Solids I	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	find perimeter, circumference and area of circles, triangles, quadrilaterals and composite shapes, and to find volume of prisms, cylinders, and pyramids			Community Connections	
26	<u>Measurement</u> <ul style="list-style-type: none"> Apply indirect measurement techniques, tools and formulas, as appropriate, to find perimeter, circumference and area of circles, triangles, quadrilaterals and composite shapes, and to find volume of prisms, cylinders, and pyramids 	Solids II	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
27	<u>Geometry and Spatial Sense</u> <ul style="list-style-type: none"> Formally define 	Circles	AGS Study Island A+LS	Self Study Guide (TRL-CD Rom) Workbook	Teacher Resource Library OGT Review



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	<p>geometric figures</p> <ul style="list-style-type: none"> Establish the validity of conjectures about geometric objects, their properties and relationships by counterexample, inductive and deductive reasoning, and critiquing arguments made by others <p><u>Measurement</u></p> <ul style="list-style-type: none"> Estimate and compute various attributes, including length, angle measure, area surface area and volume, to a specified level of precision 		Teacher Resource Library(TRL-CD Rom)	Application Activity Geometry on the Job Community Connections	Rubric Portfolio Graphic Organizer
28	<p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> Formally define geometric figures 	Circles and Angles	AGS Study Island A+LS Teacher Resource Library(TRL-CD	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the	Teacher Resource Library OGT Review Rubric Portfolio



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	<ul style="list-style-type: none"> Establish the validity of conjectures about geometric objects, their properties and relationships by counterexample, inductive and deductive reasoning, and critiquing arguments made by others <p><u>Measurement</u></p> <ul style="list-style-type: none"> Estimate and compute various attributes, including length, angle measure, area surface area and volume, to a specified level of precision 		Rom)	Job Community Connections	Graphic Organizer
REVIEW WEEKS NINETEEN – TWENTY-EIGHT (19-28) FOR QUARTERLY ASSESSMENT					



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WEEK	STANDARDS/ BENCHMARKS/ OBJECTIVES	TOPICS (Lesson Make-up)	MATERIALS/ RESOURCES/ TECHNOLOGY	PROJECTS/ ACTIVITIES/ SUPPLEMENTS	ASSESSMENT
30	<p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> Formally define geometric figures Establish the validity of conjectures about geometric objects, their properties and relationships by counterexample, inductive and deductive reasoning, and critiquing arguments made by others <p><u>Measurement</u></p> <ul style="list-style-type: none"> Estimate and compute various attributes, including length, angle measure, area surface area 	Circles, Arcs and Sectors	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	and volume, to a specified level of precision				
31	<p><u>Patterns, Function, and Algebra</u></p> <ul style="list-style-type: none"> Identify and classify functions as linear or nonlinear, and contrast their properties using tables, graphs or equations. <p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> Use right triangle trigonometric relationships to determine lengths and angle measures <p><u>Measurement</u></p> <ul style="list-style-type: none"> Use proportional reasoning and apply indirect measurement techniques, including right 	Trigonometric Functions	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer



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	<p>triangle trigonometry and properties of similar triangles, to solve problems involving measurement and rates</p>				
32	<p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> Describe and use concepts of congruence, similarity and symmetry to solve problems 	Symmetry	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
33	<p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> Represent and model transformations in a coordinate plane and describe the results 	Slides and Translations	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
34	<p><u>Geometry and Spatial Sense</u></p> <ul style="list-style-type: none"> Represent and model transformations 	Rotations	AGS Study Island A+LS Teacher Resource Library(TRL-CD	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the	Teacher Resource Library OGT Review Rubric Portfolio



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	in a coordinate plane and describe the results		Rom)	Job Community Connections	Graphic Organizer
35	<u>Geometry and Spatial Sense</u> <ul style="list-style-type: none"> Represent and model transformations in a coordinate plane and describe the results 	Reflections in the Coordinate Plane	AGS Study Island A+LS Teacher Resource Library(TRL-CD Rom)	Self Study Guide (TRL-CD Rom) Workbook Application Activity Geometry on the Job Community Connections	Teacher Resource Library OGT Review Rubric Portfolio Graphic Organizer
REVIEW FOR FINAL EXAMINATION					



VIRTUAL SCHOOLHOUSE

CURRICULUM MAP
GEOMETRY



VIRTUAL SCHOOLHOUSE

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